



PATENT

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Jeffrey D. Myers, Reg. No. 35,964

January 21, 2003  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael J. Renn, et al. : Art Unit: 2874  
Serial No.: 09/574,955 : Examiner: Sarah Song  
Filed: May 19, 2000  
For: LASER-GUIDED  
MANIPULATION OF NON-  
ATOMIC PARTICLES

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

S I R:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449's submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

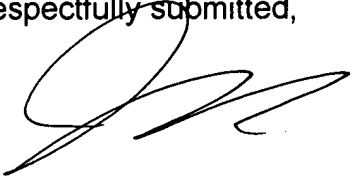
In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The cited art was made known to the applicant in a Search Report issued by the European Patent Office dated October 18, 2002, regarding a co-pending European Patent Application.

This Information Disclosure Statement is being filed within three months of knowledge of the references cited. Therefore, no fee or certification is required. 37 C.F.R. § 1.97(e).

Respectfully submitted,

Dated: January 21, 2003



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Enclosures: PTO Forms 1449;  
Copy of References

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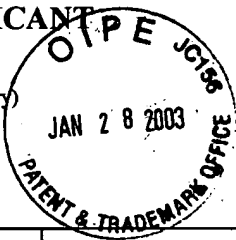


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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>COMPLETE IF KNOWN</b>	
				Application Number	09/574,955
				Filing Date	May 19, 2000
				First Named Inventor	Michael J. Renn
				Group Art Unit	2874
				Examiner Name	Sarah Song
Sheet	1	of	2	Attorney Docket Number	881.008US2



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**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document Kind Code <sup>2</sup> Number (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		3,808,432		A. Ashkin	04/30/1974	
		3,808,550		A. Ashkin	04/30/1974	
		4,016,417		R.G. Benton	04/05/1977	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
Examiner Signature					Date Considered			

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1. Unique citation designation number.
2. See attached Kinds of U.S. Patent Documents.
3. Enter office that issued the document, by the two-letter code (WIPO Standard ST.3).
4. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
5. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.
6. Applicant is to place a check mark here if English language Translation is attached.

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<b>Substitute for form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  JAN 28 2003 PATENT & TRADEMARK OFFICE				<b>COMPLETE IF KNOWN</b>	
				Application Number	09/574,955
				Filing Date	May 19, 2000
				First Named Inventor	Michael J. Renn
				Group Art Unit	2874
				Examiner Name	Sarah Song
Sheet	2	of	2	Attorney Docket Number	881.008US2

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		ASHKIN, A., "Acceleration and Trapping of Particles by Radiation Pressure", <i>Physical Review Letters</i> , January 26, 1970, pp. 156-159, Vol. 24, No. 4, The American Physical Society	
		ASHKIN, A., et al., "Optical trapping and manipulation of single cells using infrared laser beams", <i>Nature</i> , 24/31 December, 1987, pp. 769-771, Vol. 330, London, Great Britain	
		RENN, M.J., et al., "Laser Guidance and Trapping of Mesoscale Particles in Hollow-Core Optical Fibers", <i>Physical Review Letters</i> , February 15, 1999, pp. 1574-1577, Vol. 82, No. 7, The American Physical Society	
		RENN, M.J., et al., "Particle manipulation and surface patterning by laser guidance", <i>Journal of Vacuum Science &amp; Technology B</i> , Nov/Dec 1998, pp. 3859-3863, Vol. 16, No. 6, American Vacuum Society	
Examiner Signature		Date Considered	

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